

Review Memo: Biotest AG's Blood Grouping Reagents Anti-S (Monoclonal) and Anti-Jkb (Monoclonal) (07/07/2008) - Seraclone Blood Grouping Reagent Anti-S (Monoclonal)

Date: July 7, 2008
To: Files of STNs 125216/0 and 125217/0
From: Teresita C. Mercado, Consumer Safety Officer, Devices Review Branch
Subject: Review memo: Biotest AG's Blood Grouping Reagents Anti-S (Monoclonal) and Anti-Jk^b (Monoclonal)
Through: Sheryl A. Kochman, Chief, Devices Review Branch

Background:

Biotest AG, located in Dreieich, Germany submitted these applications for the licensure of Seraclone® Blood Grouping Reagents (BGR) Anti-S (Monoclonal) and Anti-Jkb (Monoclonal) which are intended for typing blood specimens using manual tube agglutination methods. Seraclone® Blood Grouping Reagents have been distributed worldwide since 1997.

CDER received the original submission dated September 22, 2006 on September 29, 2006. Regulatory documents in the submission include Form FDA 356h, draft labeling, chemistry, manufacturing and controls, establishment information and stability data. CDER issued a Complete Response (CR) letter on July 27, 2007. Biotest responded to this CR letter in a letter dated November 30, 2007. CDER issued a second CR letter on January 31, 2008 and a third CR letter on May 16, 2008. CDER received the responses to these CR letters on March 17, 2008 and June 23, 2008 respectively. The May 16, 2008 CR letter includes labeling questions only. This memorandum is a review of the response to the May 16, 2008 CR letter. Since this response is the last amendment to the application, this memorandum also includes this reviewer's regulatory action recommendation.

Chronology of Events:

September 29, 2006 – Original submission dated September 22, 2006 received in CDER

July 27, 2007 – Complete Response letter issued

December 3, 2007 – November 30, 2007 response to CR letter received in CDER

January 31, 2008 – CDER issued a 2nd CR letter

March 17, 2008 – CBER received response to the 2nd CR letter

May 16, 2008 – CBER issued a 3rd CR letter

June 23, 2008 – CBER received response to the third CR letter

Review:

Labeling

CBER's Question

1. Please submit corrected labels to include your full name (Biotest Medical Diagnostics GmbH) and new license number on the vial, container and package insert labels.

Biotest's Response

Biotest included their full name and new license number on the vial, container and package insert labels. Because of the limited space on the vial label, Biotest is requesting that the business address be omitted from the label.

2. Package Insert
 - a. Under "Reagent," with respect to Millipore, please delete "FFMU."

Biotest's Response

Biotest deleted "FFMU" from the Reagent Section.

- b. Material required but not provided Section. In your response you state that use of an optical aid for reading and grading agglutination results is not allowed. You also reference the Technical Manual, 15th edition in your package insert bibliography. The standard of practice in the US as recommended by the American Association of Blood Banks Technical Manual requires the use of an agglutination viewer to aid in the grading of hemagglutination reactions. This standard operating procedure is accepted for use by CBER as referenced by 21 CFR 606.100(d)(1). If an optical aid cannot be used to grade reactions, please add this contraindication (prominently bolded) to this section to alert the user.

Biotest's Response

Biotest added "optical aid (optional) to the *List of materials required but not provided*. Under the *Interpretation of results* section, Biotest added the following statement, "An agglutination reader may facilitate the reading of tube tests (as recommended by the ABB Technical manual, 15th edition).

Reviewer's Comment

AABB mentions the use of an optical aid or agglutination viewer so I

recommend that Biotest use one of these terms instead of “agglutination reader”. “Agglutination reader” implies an automated device that reads agglutination reactions.

- c. Summary Section. Please use capital letters for the biologics product proper name, i.e., Blood Grouping Reagents.

Biotest's Response

Biotest used capital letters for the biologics proper name.

Additional Changes to the Labeling

In addition to the changes requested by CBER, Biotest made the following labeling changes:

- Replace “Biotest Monoclonal Anti-Jk^a, Anti-Jk^b Reagents” with “Biotest Monoclonal Anti-Jk^a, Anti-Jk^b Blood Grouping Reagents” in the *Quality Control Section* of the Package Insert.

Reviewer's Comment

This change was also made for the Anti-S reagent.

- In the *Limitations Section of the Package Insert*, the statement “Samples with cold agglutinins may be processed using standard warming techniques” was replaced with “False positive results or reactions suspected to be due to cold agglutinins should be resolved according to in-house procedures.”
- Under the *Specific Performance Characteristics Section* of the Package Insert, the full name of Biotest was added.
- A hyphen was added to the lot number on the vial and package labels to distinguish the 7- digit lot number from the 2 digits that signify the sublotting number.
- For shipping purposes, a two dimensional barcode was added to the package label.

Review:

All the review issues have been resolved. I recommend the approval of STNs 125216/0 and 125217/0.